GP-58R
Coupon Printer
User Manual

International Currency Technologies

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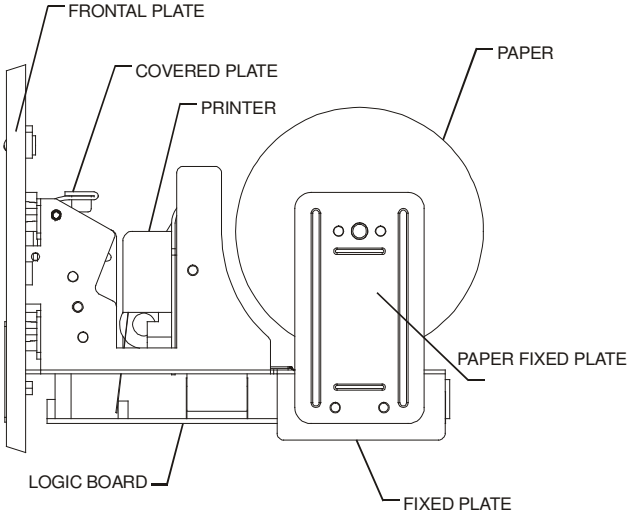
❖Introduction

The GP-58R Coupon Printer is a flexible and versatile piece of equipment for gaming system, Vending machines and other Self-service systems.

The GP-58R has a built-in real time clock for the ticket time stamping, its excellent accounting system can provide with daily and summary reports. The GP-58R can store up to 365 days of daily reports that you have option of deleting. Both coupon and receipt tickets are fully customizable. Downloadable designs give you the flexibility and ease to create ticket formats and logos. Using the GP-58R's software tools, you can transfer your designed images into the memory.



❖ Features

A . General Features

- Power sources : DC12V Min 165 mA~Max 3.75A.
- Power Consumption : Min 2W~ Max 45W.
- Operation Temperature : -5℃ ~ +50℃.
- Storage Temperature : -20℃ ~ +60℃.
- Humidity : 30 % ~ 85 % RH.
- I/O Level : DC 0V~12V
  5mA~130mA.

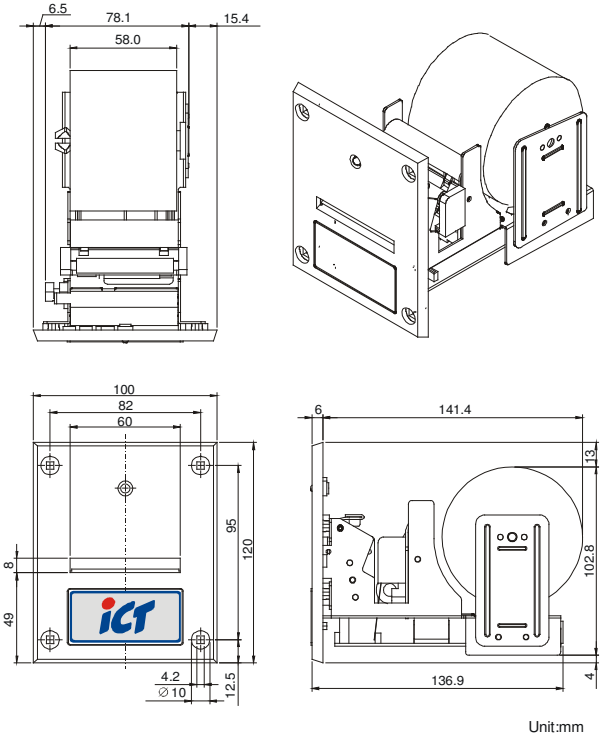
B. Cutter Features

- Thickness : Max 0.12mm
- Width : 68mm
- Time : Max 1 sec / time
- Life Time : Max 500,000 / time

C. Print head Features

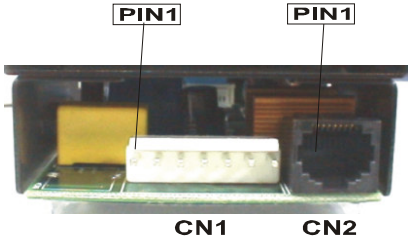
- Life time : 30km
- Speed : 60mm / sec
- Resolution : 8 dots / mm

❖Dimension Chart



❖ Connection

Please refer to the pictures and tables on the following pages for information about the function of each of the connector pins.



➢ ***CN1 – C/A & B/A***

1. +12V DC (RED)
2. GND (BLACK)
3. Coin in signal – Input, Open Collect.(BROWN)
4. Note in signal – Input, Open Collect.(ORANGE)
5. Payout Trigger – Input, Open Collect.(YELLOW)
6. Ticket Out – Output, Open Collect.(GREEN)
7. Error output – Output, Open Collect.(BLUE)

➢ ***CN2 – Serial interface***

1. GND
2. TXD2 – Output, TTL Level.
3. RXD2 – Input, TTL Level.
4. PROGRAM
5. /RESET
6. VCC – +5V DC
7. RXD1–Input, TTL Level.
8. TXD1 – Output, TTL Level.

❖ Hardware Setting

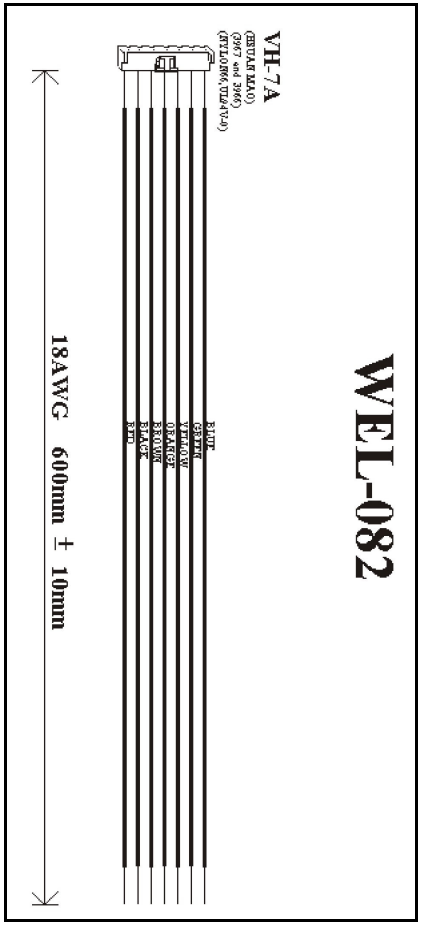
A. Hardware Dip Switch Function Setup

DIP Switch PIN Number Function Selection	Function Description	Footnotes
DIP Switch NO.1	Reserved	
DIP Switch NO.2	OFF	Factory-set
DIP Switch No.3	ON	Factory-set
DIP Switch No.4	Reserved	
KEY1	Print transaction records	
KEY2	Paper forward	

** Factory-set : The setting must be fixed.*

B. WEL-082 Connector (as shown in Figure 1)

PIN Number	Signal Description	Function Description
PIN1(RED)	POWER+12V	POWER+ INPUT.
PIN2(BLACK)	POWER-0V(GND)	POWER- INPUT.
PIN3(BROWN)	COIN_IN TRIGGER	PULSE INPUT.
PIN4(ORANGE)	NOTE_IN TRIGGER	PULSE INPUT.
PIN5(YELLOW)	PAYOUT TRIGGER	PULSE INPUT.
PIN6(GREEN)	TICKET_OUT	LOW VOLTAGE OUTPUT.
PIN7(BLUE)	ERROR_OUT	LOW VOLTAGE OUTPUT.



WARNING

- PIN3~PIN5 Normal Input Voltage:
  HI DC 5V~12V.
  Trigger Level Voltage:
  Low 0V(GND) Output Current Max 5mA.
- PIN6~PIN7 Normal Floating.
  Output Signal:
  Low 0V(GND) Input Current Max 130Ma.

C. Setup Procedures

1. Connect 7PIN wiring as explained above, attach it to PCB's CN1.
2. Install the paper roll into the machine's paper roll container. (paper roll is required to be setup according to the same direction of the raster)
3. Connect PC connector WEL-079 ***(as shown in Figure 2.)*** to PC's COM port and the machine's CN2.

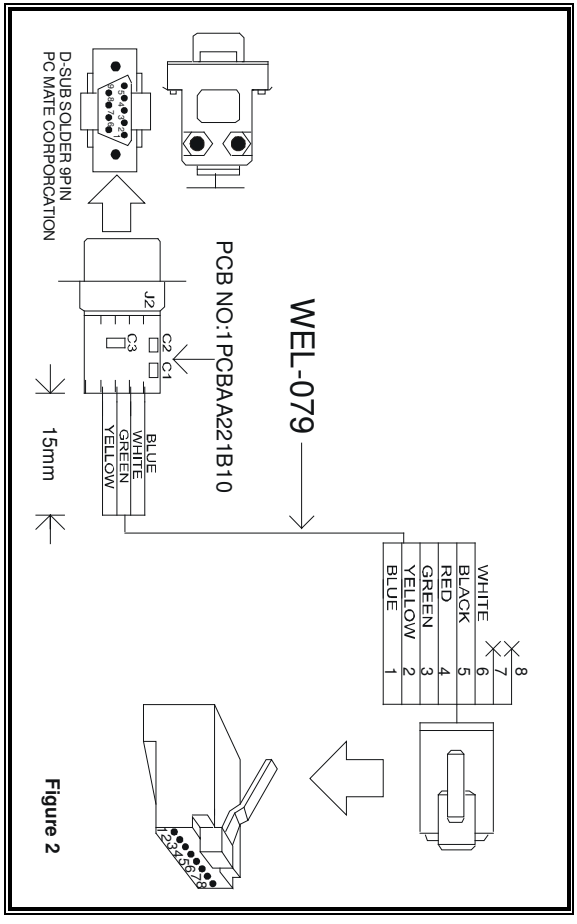


Figure 2

4. Turn the power on and install the paper roll properly, the machine will automatically detect the paper (Approx. 2 seconds) and roll the paper into the printing module. If the installation of the paper roll is correct, the machine is ready for printing. Working light on the machine's faceplate will be on. ***(Please connect the wires as shown in Figure 3)***

5. JP1 is for battery setting

   Making short cut on pin 1 & 2 enable the battery for memory use.

   Making short cut on pin 2 & 3 disable the battery for memory use.

   *Default setting is Enable. ***(As shown in Figure 4)***

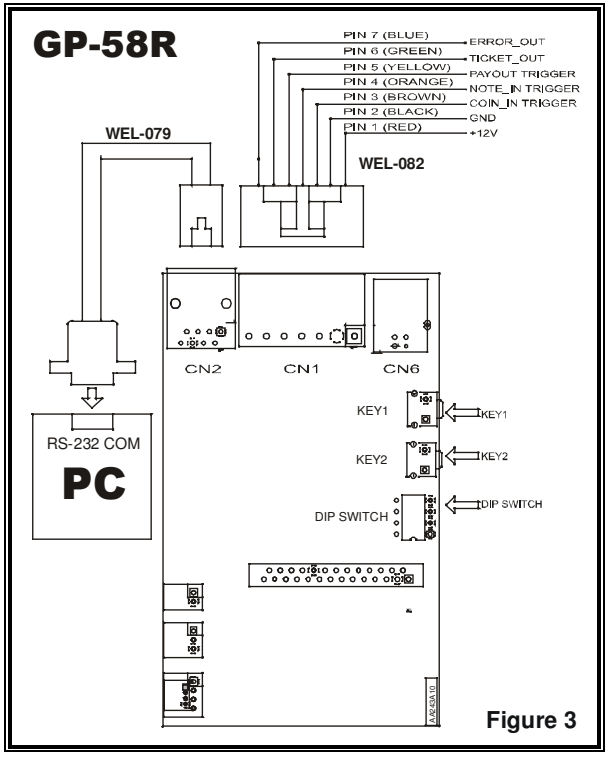


Figure 3

❖GP-58R Battery Function Setting

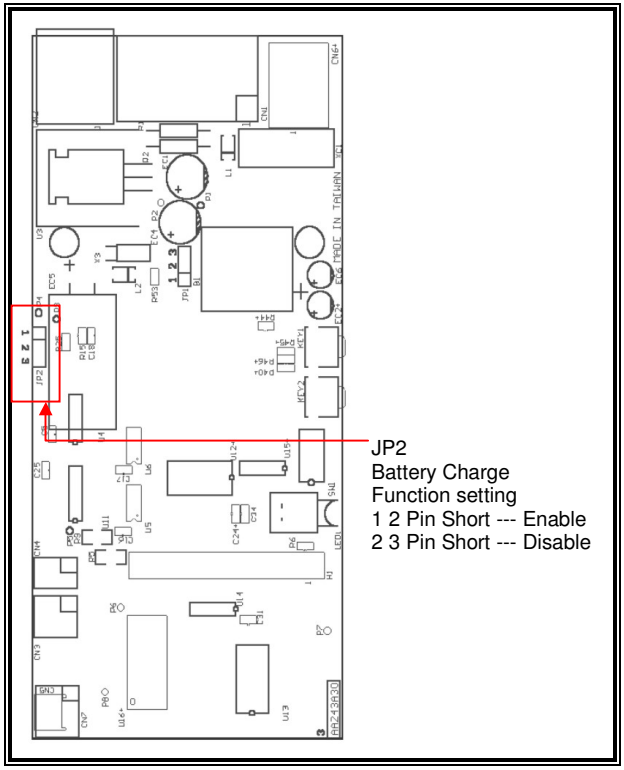


Figure 4

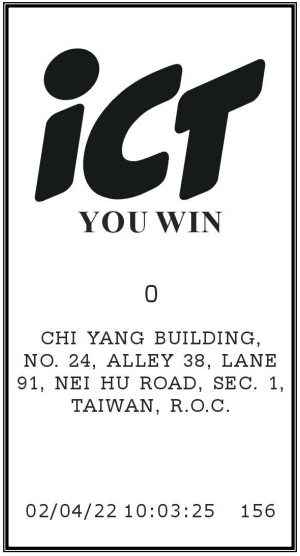
❖ Coupon & Receipt

The GP-58R can print two different types of tickets, each for a different purpose:

A coupon indicates the payout points for the player.

A receipt is provided to the player when s/he inserts coins or bills into the C/A or B/A.

The format of the coupon and receipt can be designed and changed by yourself and then upload it into the GP-58R using the GP-58R Tools utility.



❖ GP-58R Tools

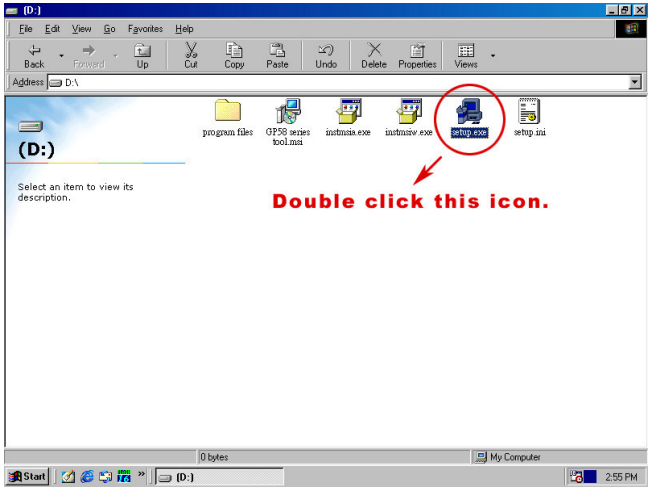
➢ **Installation**

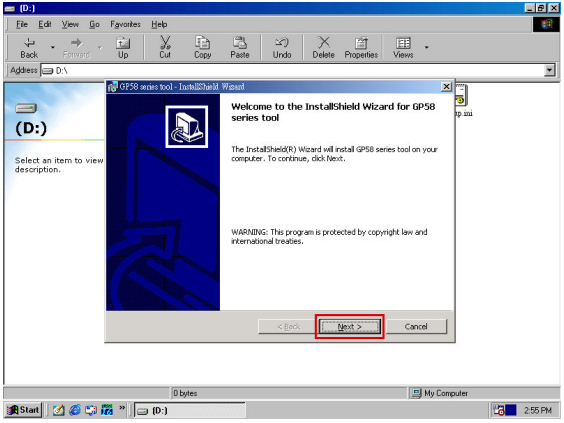
Please insert the utility disk into the CD-ROM drive and then click on the “Install”. bottom The setup program will guide you through the installation process. After the installation, there will be a new program icon called GP-58R.

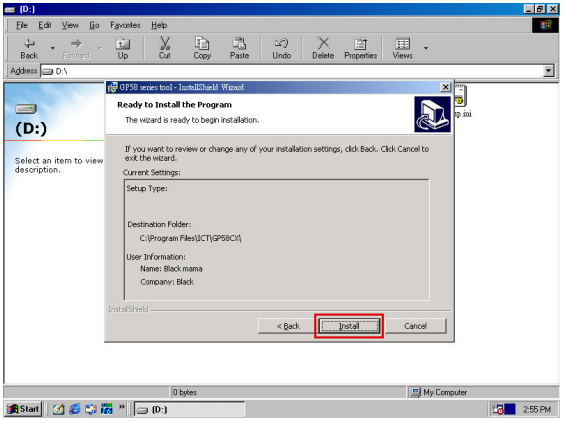
➢ **Execute the GP-58R utility**

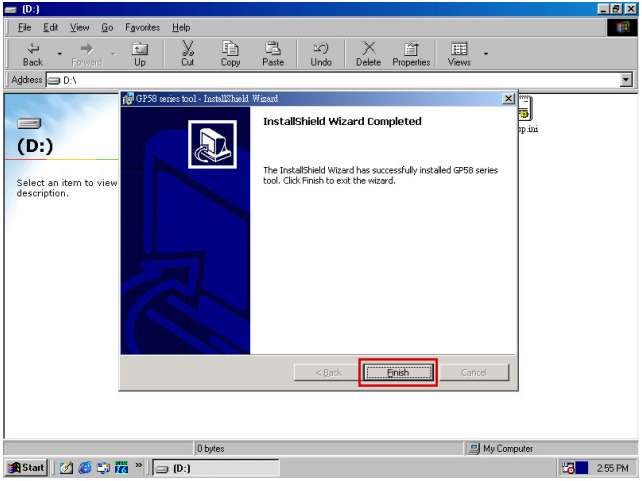
Double-click on the GP-58R icon to execute the GP-58R utility.

1.To install GP-58R’s TOOLS (English Version), please follow the operation as below.

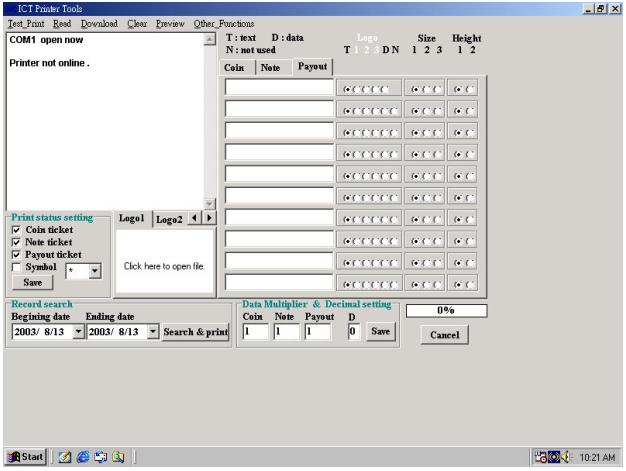



(D:)
Welcome to the InstallShield Wizard for GP58 series tool
The InstallShield(R) Wizard will install GP58 series tool on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treatises.
< Back
Next >
Cancel

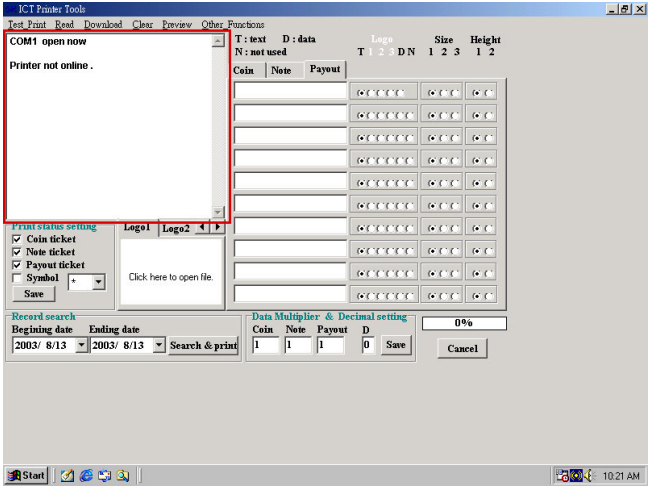

(D:)
Ready to Install the Program
The wizard is ready to begin installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Current Settings:
Setup Type:
Destination Folder:
C:\Program Files\ICT\GP58CX\
User Information:
Name: Black mama
Company: Black
< Back
Install
Cancel



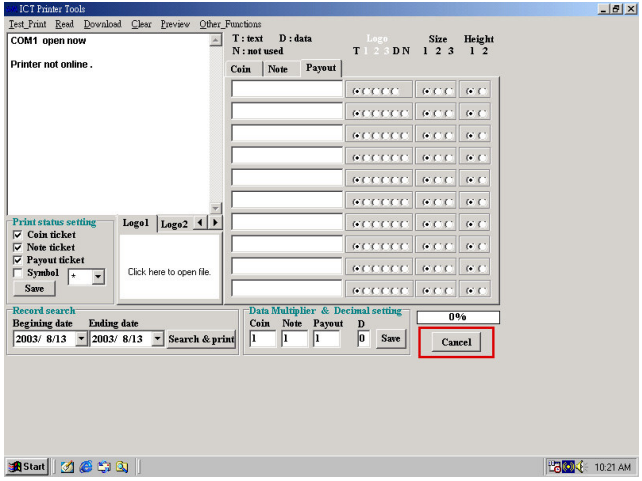
◆The screen will be displayed as below.



◆This is the messages display window.



◆Cancel : Cancel the download from PC to GP-58R.
(must reset GP-58R afterward)

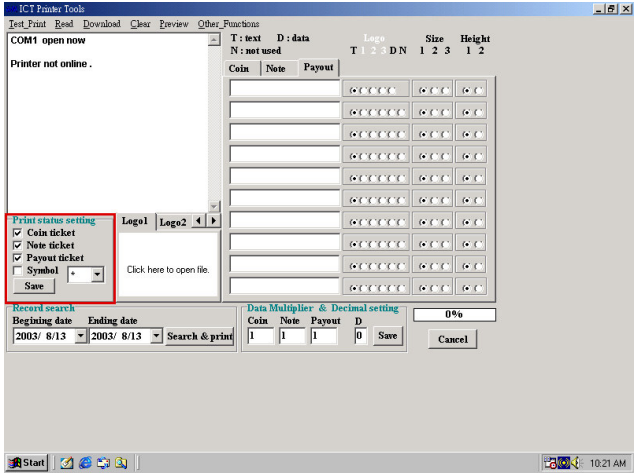


◆To select the working functions of GP-58R.

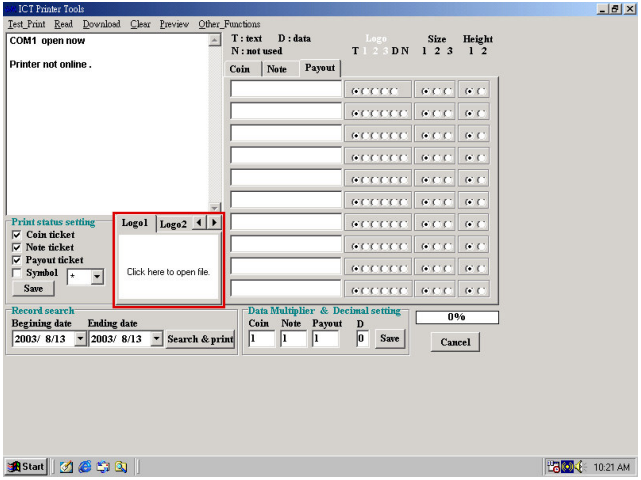
e.g. 1. If you only select "Print coin ticket" , It will not print out any ticket except the coin ticket when GP-58R receives the pulse commands.

2. If you select the "symbol" option, there will be 2 symbols on both sides of the data number.

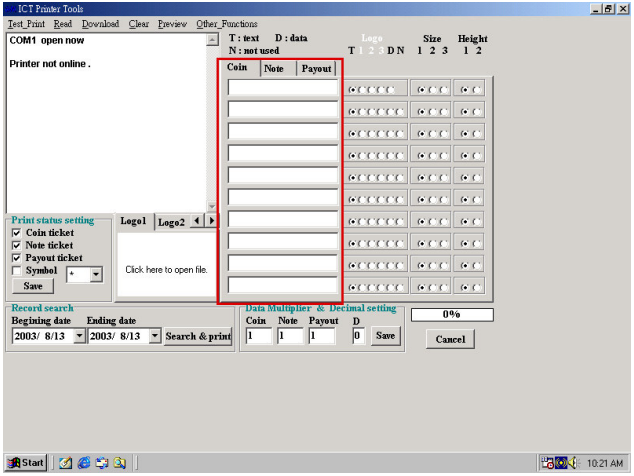
3. Press the "save" button to save the Print status to GP-58R.



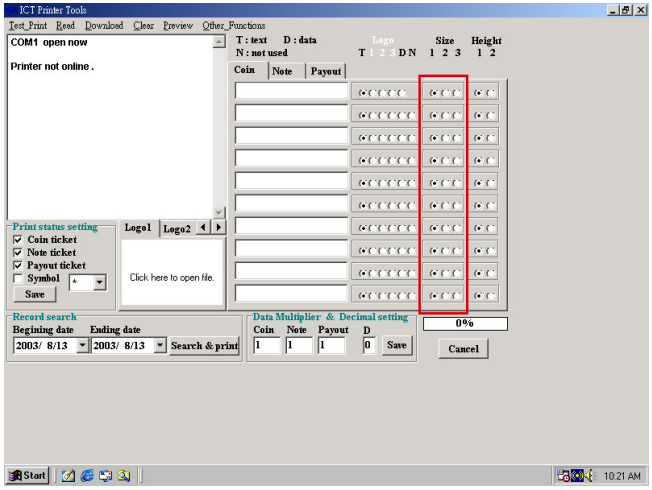
◆ To choose the logo you want to use (Logo1, Logo2 or Logo3) click on : "Click here to open file." .
It will display a sub-window of a file selection. You can choose the bitmap file as the logo .



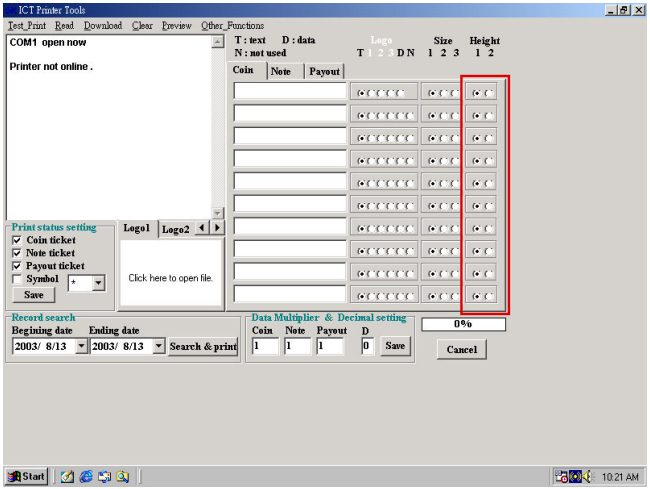
◆ To input the text which will be displayed on the tickets from line 1 to line 10.



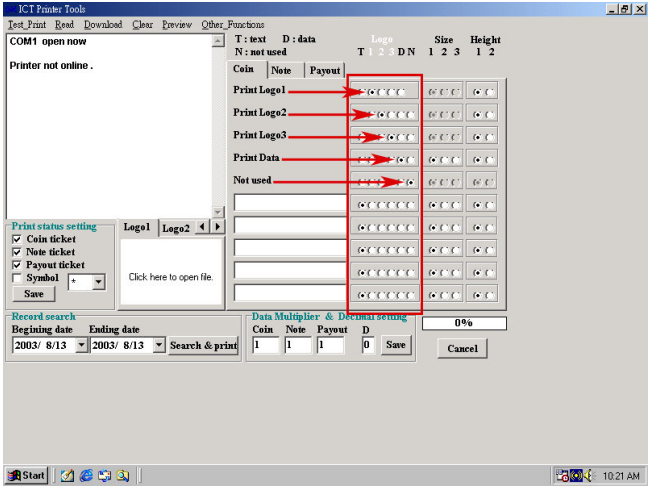
◆There are three word sizes, The size 1 is “8x13” pixels, the size 2 is”14x24” pixels, and the size 3 is“22x36” pixels.



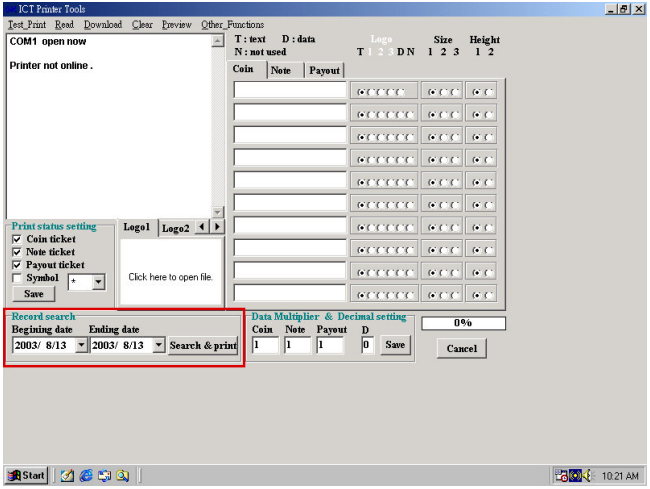
◆ The setting is for the heights of the words. GP-58R system will set them to "Height 1" as default. However, you can set them to " Height 2" if you want to.



◆ You can arrange the content's detail for every line on a receipt.



◆ You can set the printer to print out the report for a certain period.

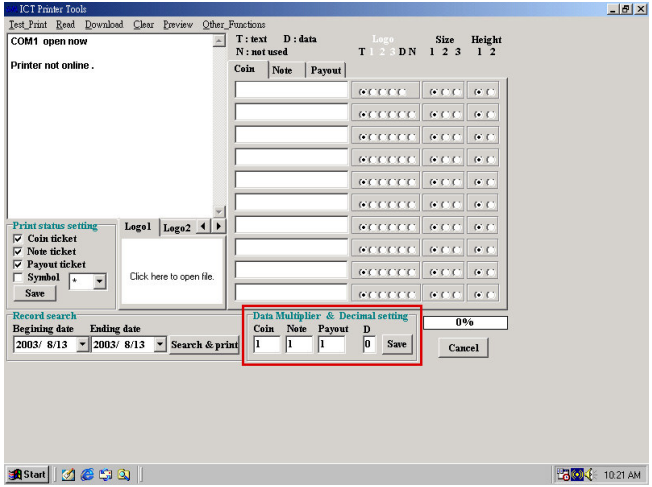


◆ Coin : Set the multiplier of each pulse from C/A.

Note : Set the multiplier of each pulse from B/A.

Payout : Set the multiplier of each pulse of Payout signal.

D : Set a decimal point (it can't exceed three digits)

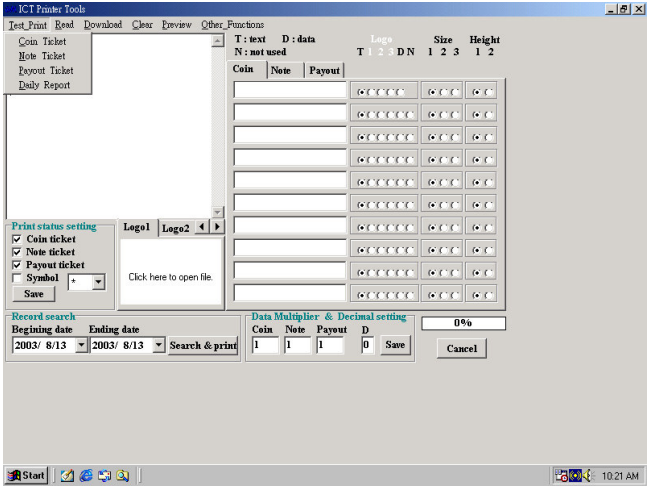


◆ Coin Ticket : Prints a Coin coupon.

Note Ticket : Prints a Note coupon.

Payout Ticket : Prints a Payout coupon.

Daily Report : Prints a daily report.



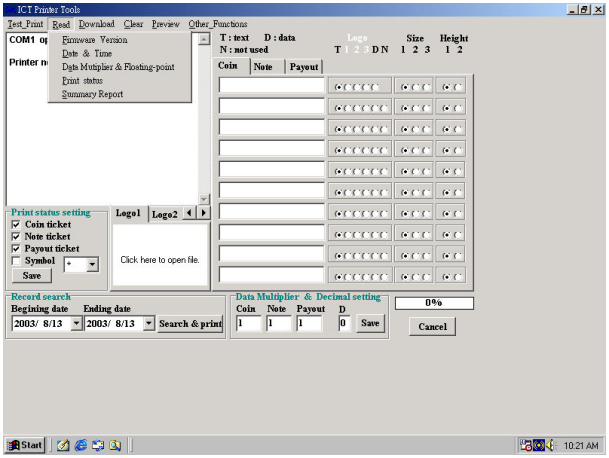
◆ Firmware Version : Read and display the Current firmware version of the printer.

Date & Time : Read and display the current Date & Time of the printer.

Data multiplier & Floating-point : Read and display the current rate of each pulse.

Print status : Read and display the “print status setting”

Summary Report: Read and display the current total records



◆All Formats : To download the current designed ticket format into the printer.

Coin Ticket Format : Downloads the Coin Ticket format to the printer.

Note Ticket Format : Downloads the Note Ticket format to the printer.

Payout Ticket Format : Downloads the Payout Ticket format to the printer.

Logo 1 : Downloads the Logo 1 to the printer.

Logo 2 : Downloads the Logo 2 to the printer.

Logo 3 : Downloads the Logo 3 to the printer.

Date & Time : Downloads the computer's system Date & Time to the printer.

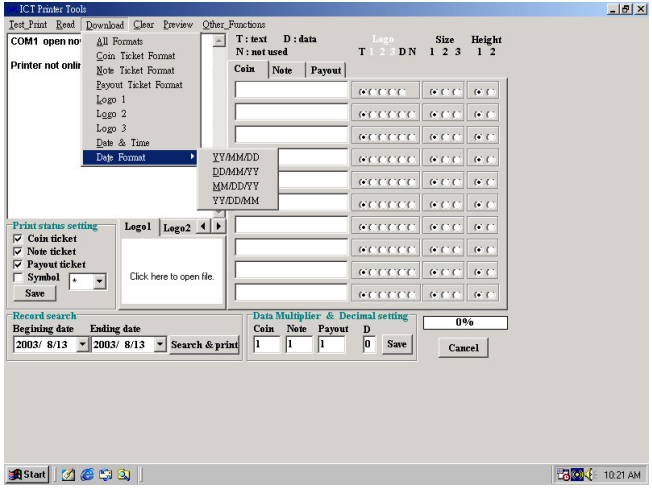
Date Format : You have four formats to choose from.

(1) YY/MM/DD : Year/Month/Day

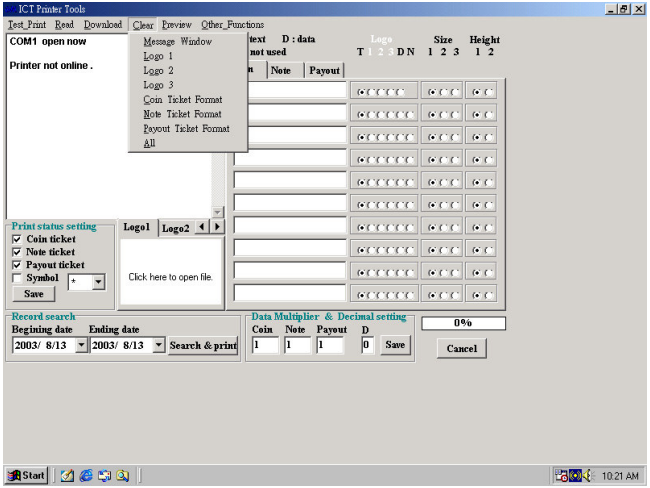
(2) DD/MM/YY : Day/Month/Year

(3) MM/DD/YY : Month/Day/Year and

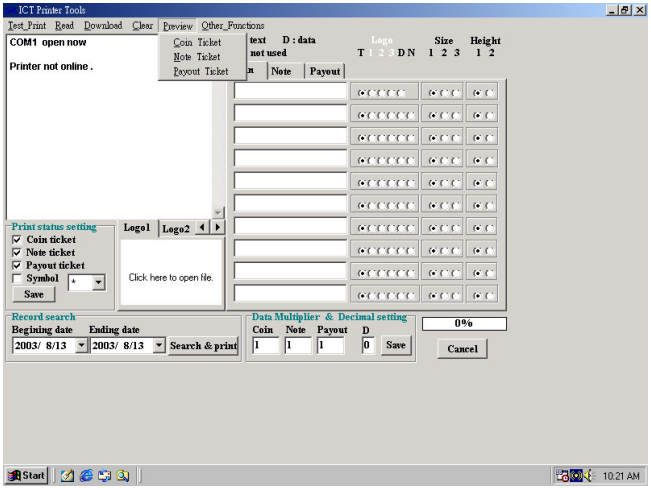
(4)YY/DD/MM: Year/Day/Month.



◆ Clear : Choose one of the options on the list to clear .



◆ Preview : Preview the contents of coin ticket, note ticket or payout ticket.



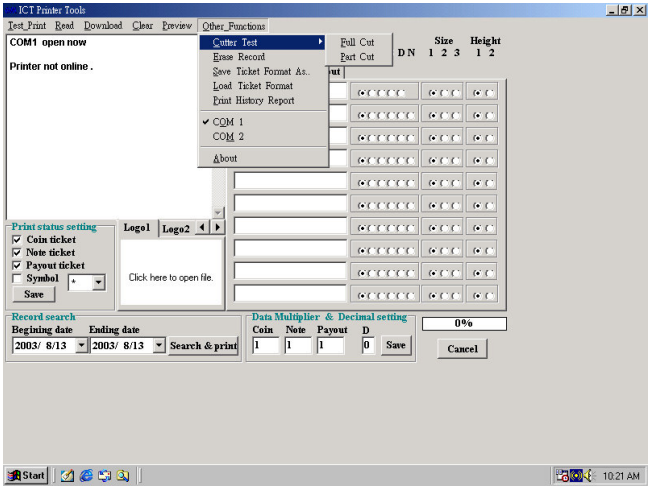
◆Cutter Test: You have two choices. (1) Full cut and (2) Part Cut. (GP-58R mode not used)

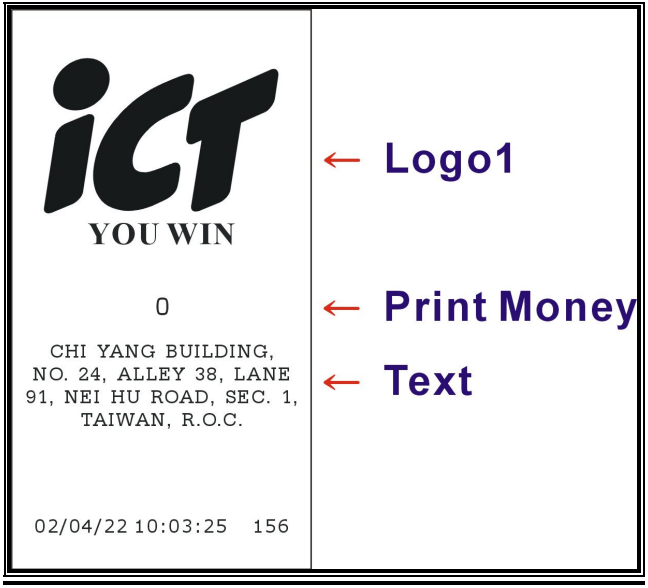
Erase Record : Erase the summary record from printer.

Save Ticket Format : To save the designed ticket format into a file.

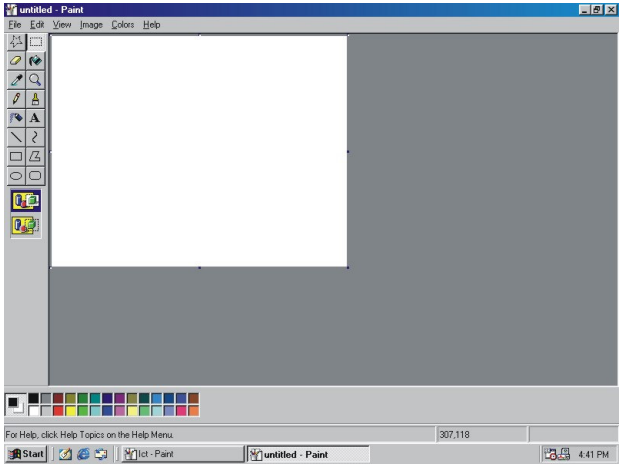
Load Ticket Format : To load the designed ticket format from a file.

Print History Report : To print all daily history reports.





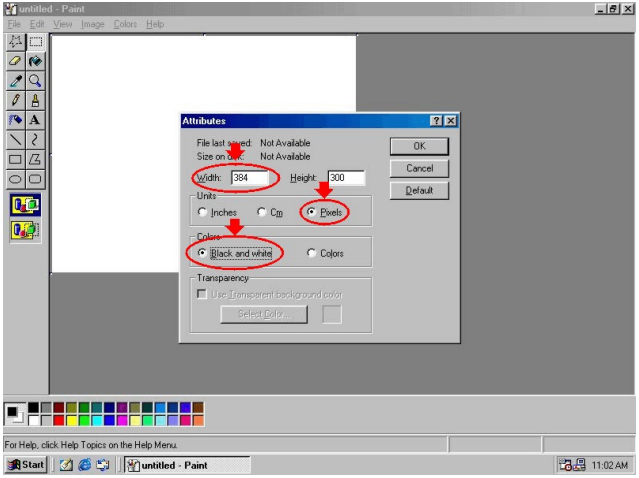
1.start with “Paint” program.



2.The value of the width is fixed at 384 pixels. It means

that you could not change the figure's width. However, the figure's height is not fixed, you could change it.

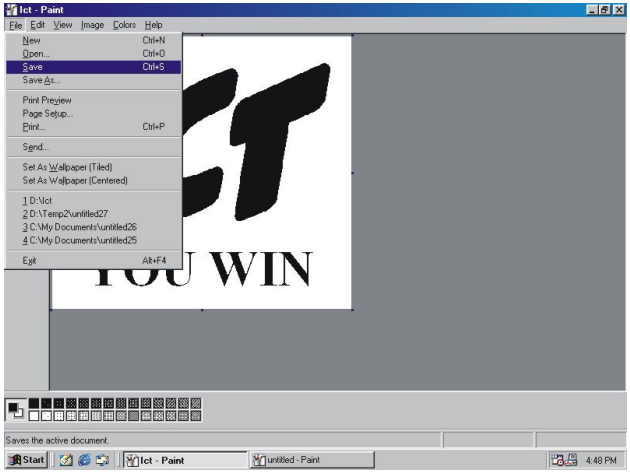
NOTE : The size of the graphic file can not be over 16K bytes.



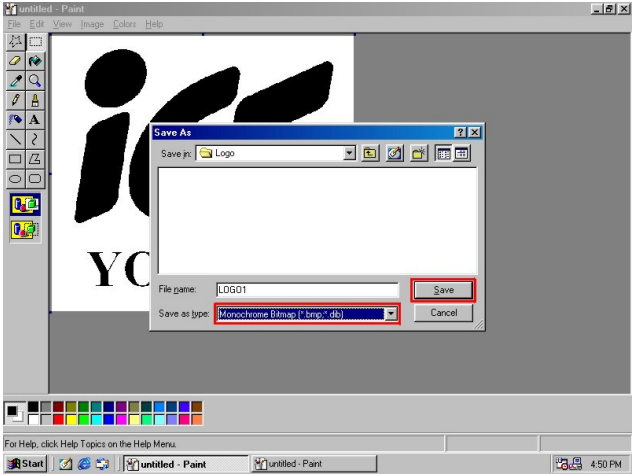
3. Draw "iCT" image.

4. Key in "YOU WIN".

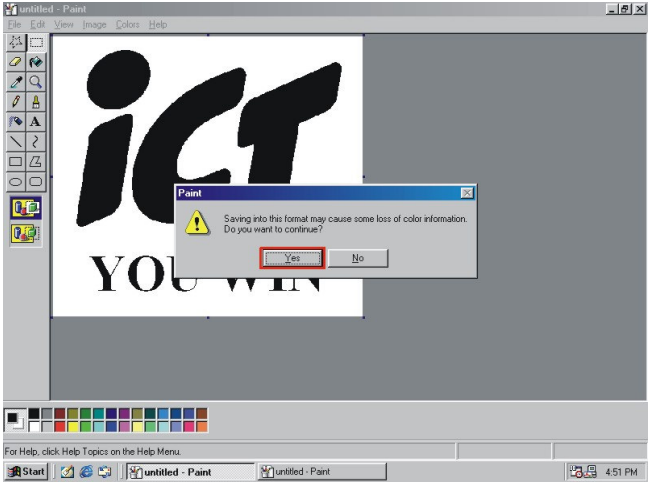
5. Save this file.



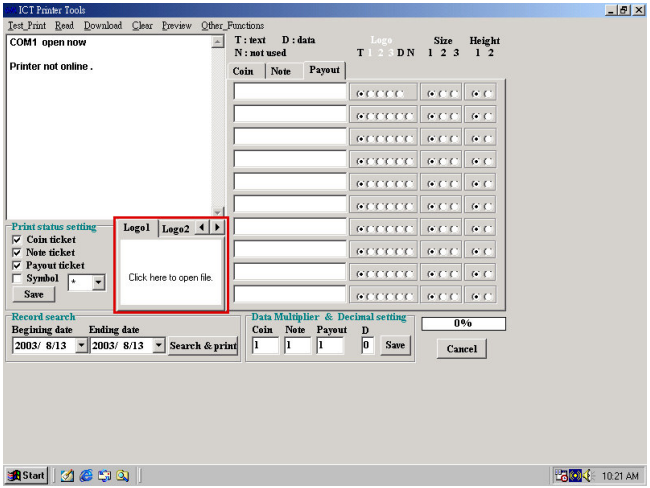
6. Save as type “Monochrome Bitmap (*bmp, *dib)”.



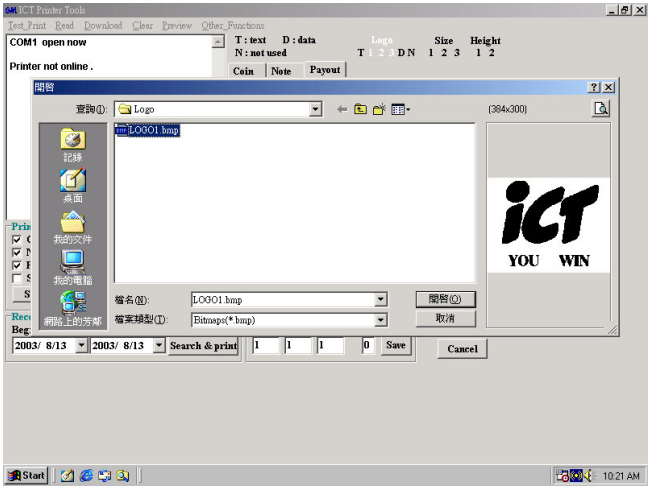
7. Press “yes” icon.



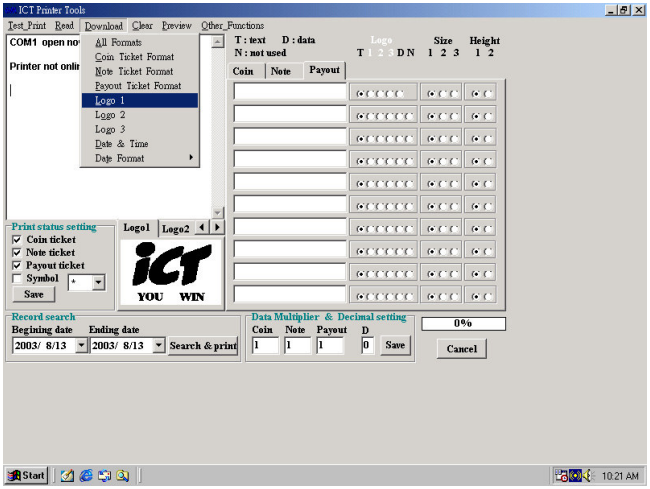
8. Choose “Click here to open file”.



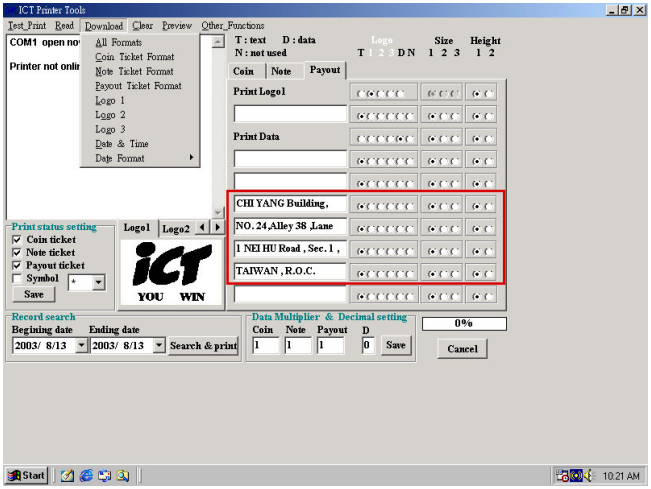
9. Open logo File.



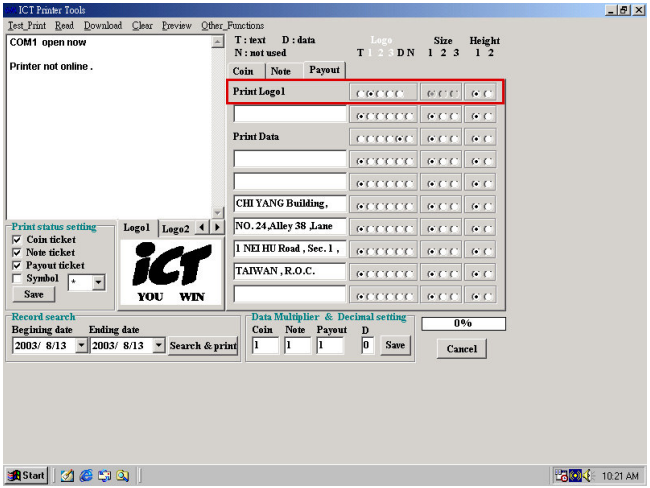
10. Save Logo 1 to GP-58R.



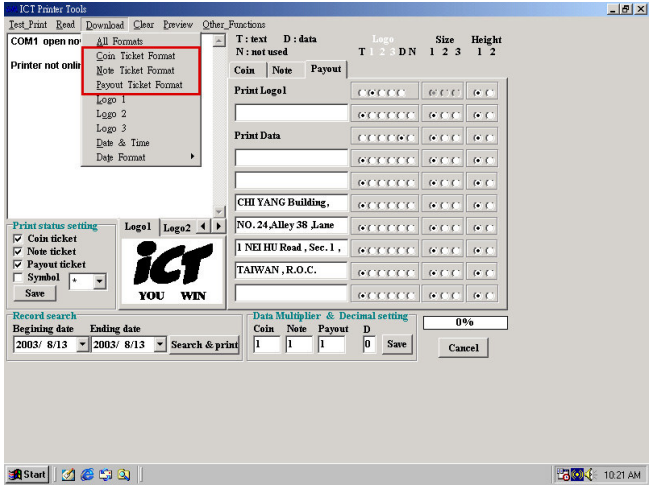
11. Key in some words to adjust word size/vertical.



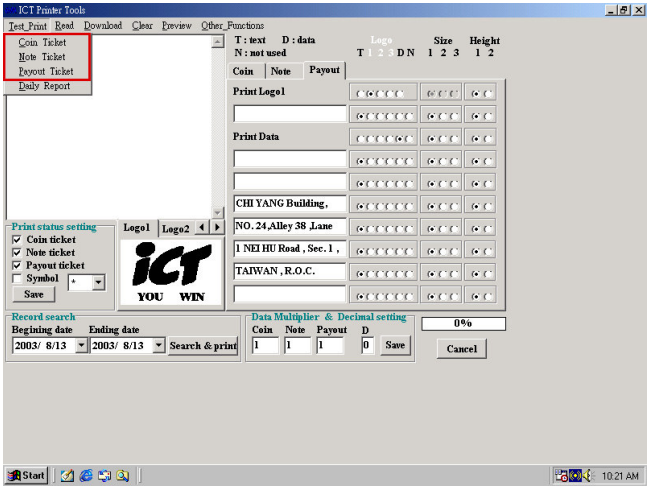
12. Choose logo file to adjust its vertical.

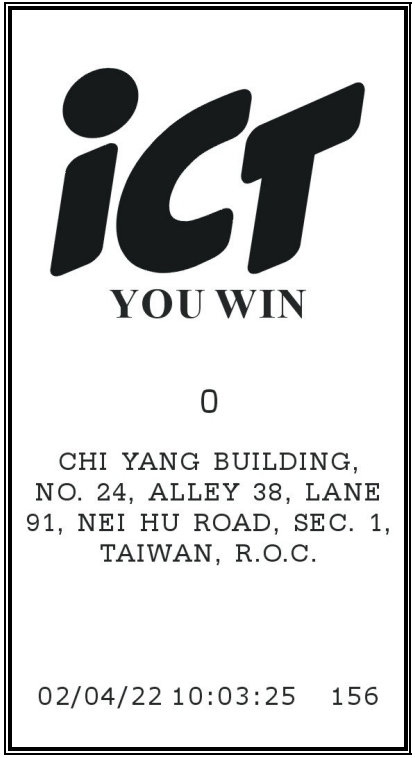


13. Save your words and logo format under “CoinTicket Format” or “NoteTicket Format” or “PayoutTicket Format”.



14. Choose printing way.


ICT Printer Tools
Test_Print Read Download Clear Preview Other_Functions
Coin Ticket
Note Ticket
Payout Ticket
Daily Report
T : text D : data
N : not used
Logo
T 1 2 DN
Size
1 2 3
Height
1 2
Coin Note Payout
Print Logo1
Print Data
CHI YANG Building,
NO. 24,Alley 38 ,Lane
1 NEI HU Road , Sec. 1 ,
TAIWAN , R.O.C.
Print status setting
Coin ticket
Note ticket
Payout ticket
Symbol
Save
Logo1 Logo2
YOU WIN
Record search
Begining date
Ending date
2003/ 8/13
2003/ 8/13
Search & print
Data Multiplier & Decimal setting
Coin Note Payout D
1 1 1 0
Save
0%
Cancel
Start
10:21 AM


YOU WIN
0
CHI YANG BUILDING,
NO. 24, ALLEY 38, LANE
91, NEI HU ROAD, SEC. 1,
TAIWAN, R.O.C.
02/04/22 10:03:25 156

❖ Instructions for Paper Reel Replacement

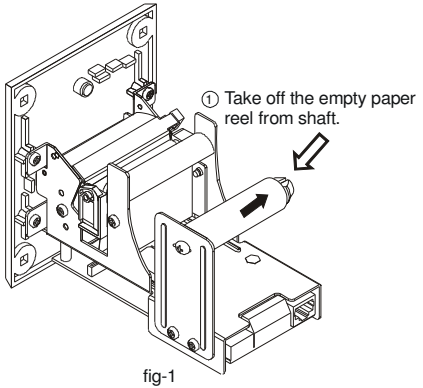


fig-1

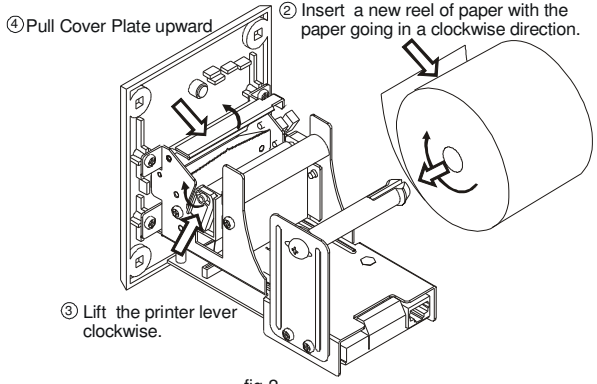


fig-2

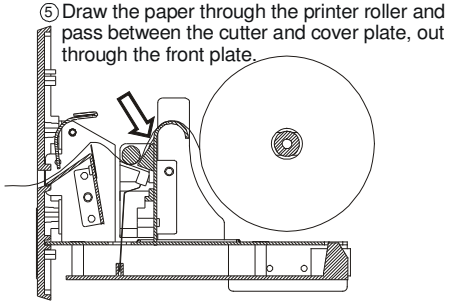


fig-3

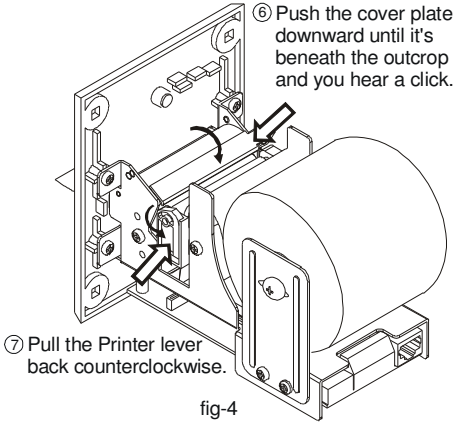


fig-4

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Vol. 4.0 Part Number : H4186C-R